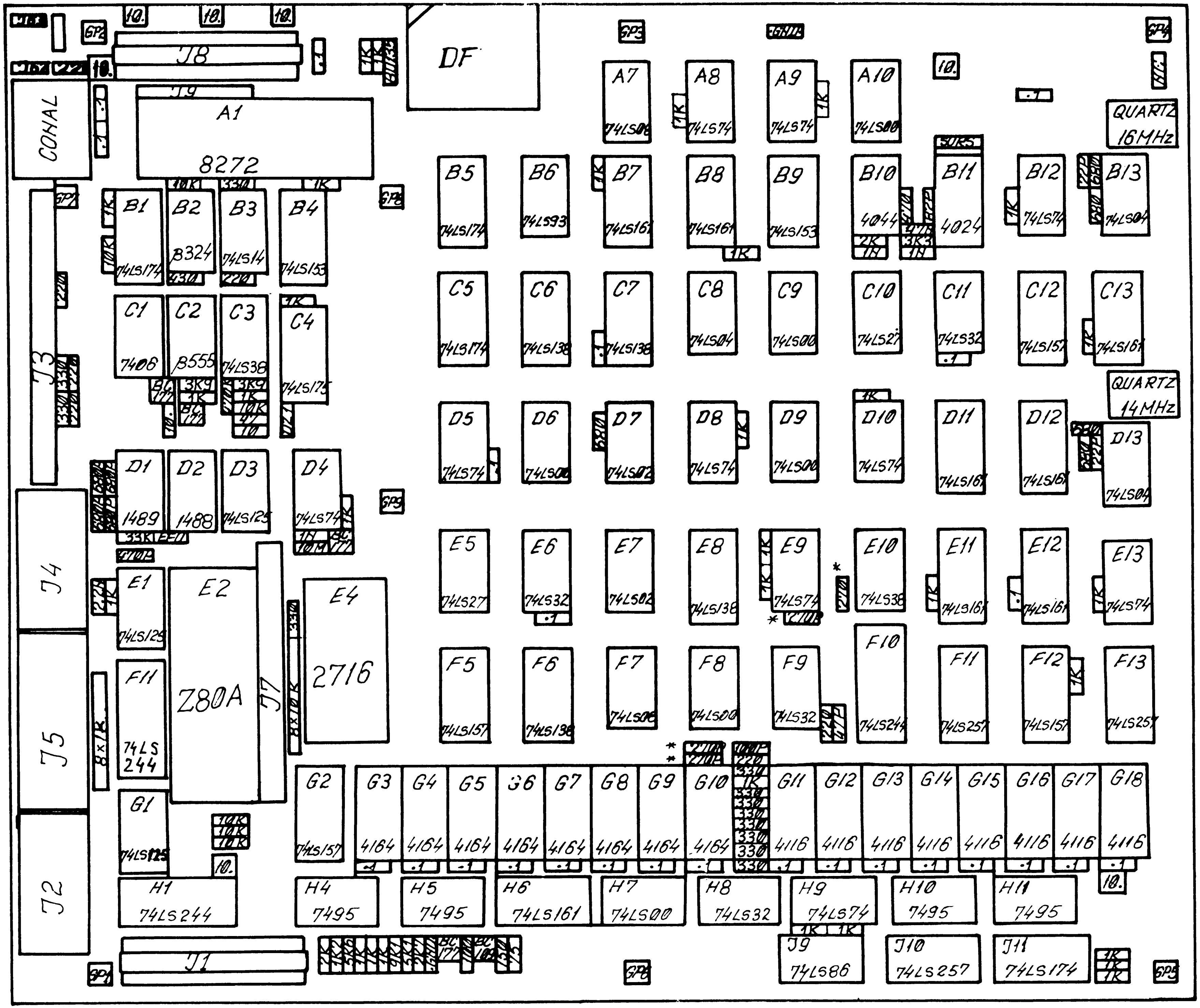
HC 88

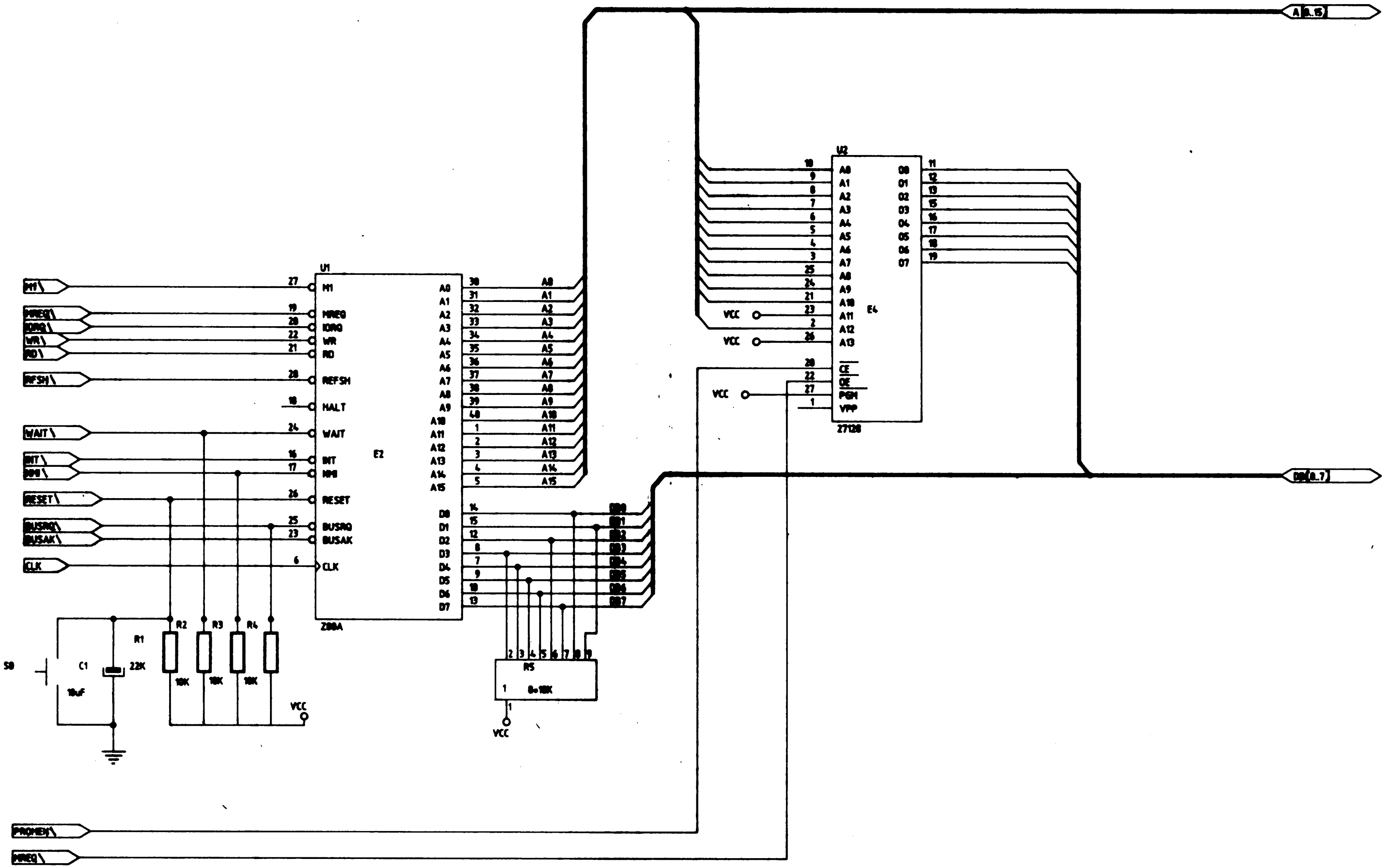
SCHEME LOGICE

ice felix
Data Processing Systems

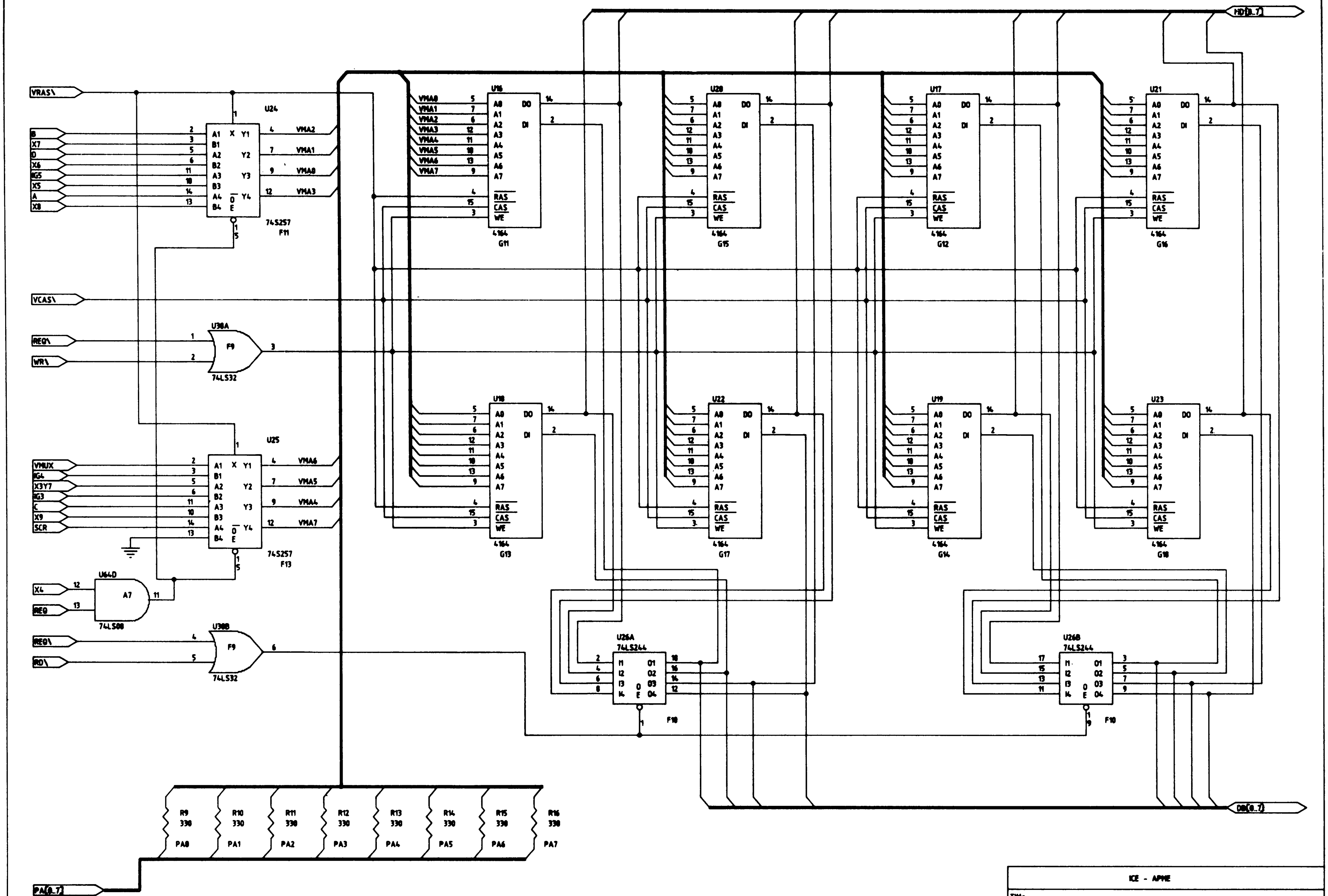
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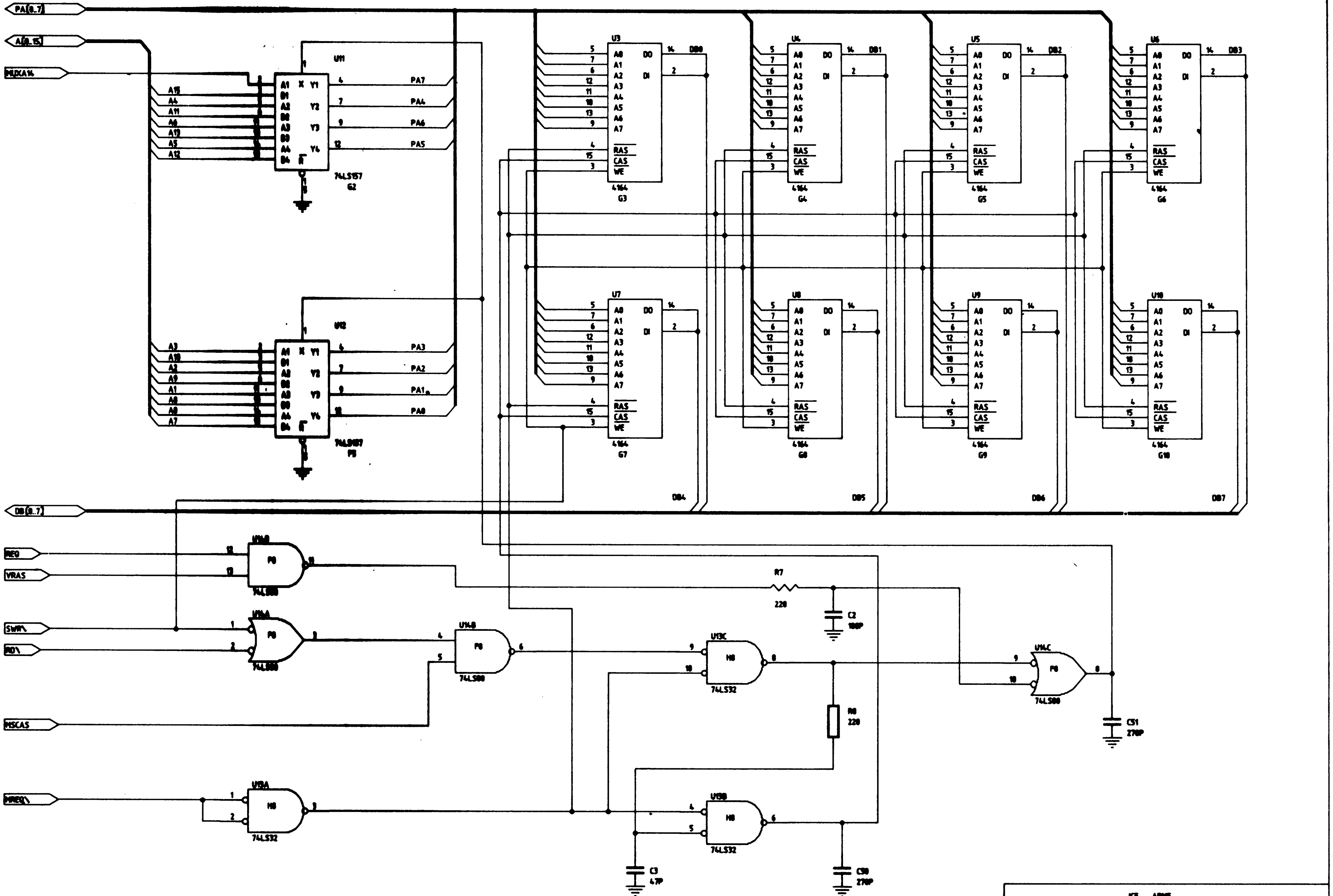
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8272
DF
COHAL
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B2 8324
B3 74LS14
B4 74LS153
B5 74LS174
B6 74LS393
B7 74LS161
B8 74LS161
B9 74LS153
B10 4044
B11 4024
B12 74LS74
B13 74LS04
C1 7406
C2 8555
C3 74LS38
C4 74LS175
C5 74LS174
C6 74LS138
C7 74LS138
C8 74LS04
C9 74LS00
C10 74LS27
C11 74LS32
C12 74LS157
C13 74LS161
QUARTZ 14MHz
J3
D1 1489
D2 1488
D3 74LS125
D4 74LS74
D5 74LS74
D6 74LS00
D7 74LS02
D8 74LS74
D9 74LS00
D10 74LS74
D11 74LS161
D12 74LS161
D13 74LS04
J4
E1 74LS125
E2
Z80A
J7
E4 2716
E5 74LS27
E6 74LS32
E7 74LS02
E8 74LS138
E9 74LS74
E10 74LS38
E11 74LS161
E12 74LS161
E13 74LS74
J5
F1 74LS 244
F5 74LS157
F6 74LS138
F7 74LS08
F8 74LS00
F9 74LS32
F10 74LS244
F11 74LS257
F12 74LS157
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G1 74LS125
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G5 4164
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G8 4164
G9 4164
G10 4164
G11 4116
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G13 4116
G14 4116
G15 4116
G16 4116
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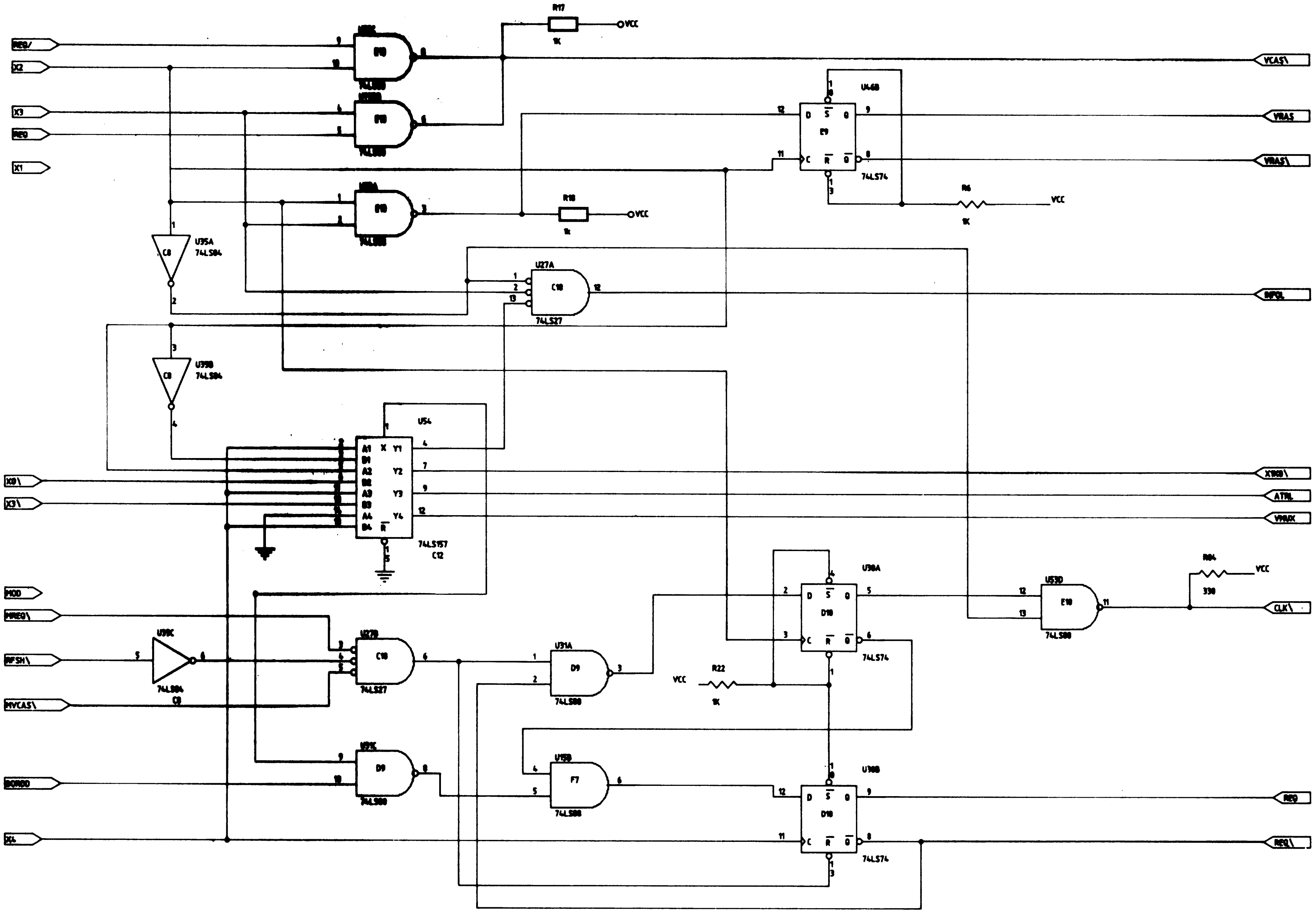
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Size: B	Document Number: 069300350	REV: A
Date: May 3, 1989	Sheet 1 of 14	



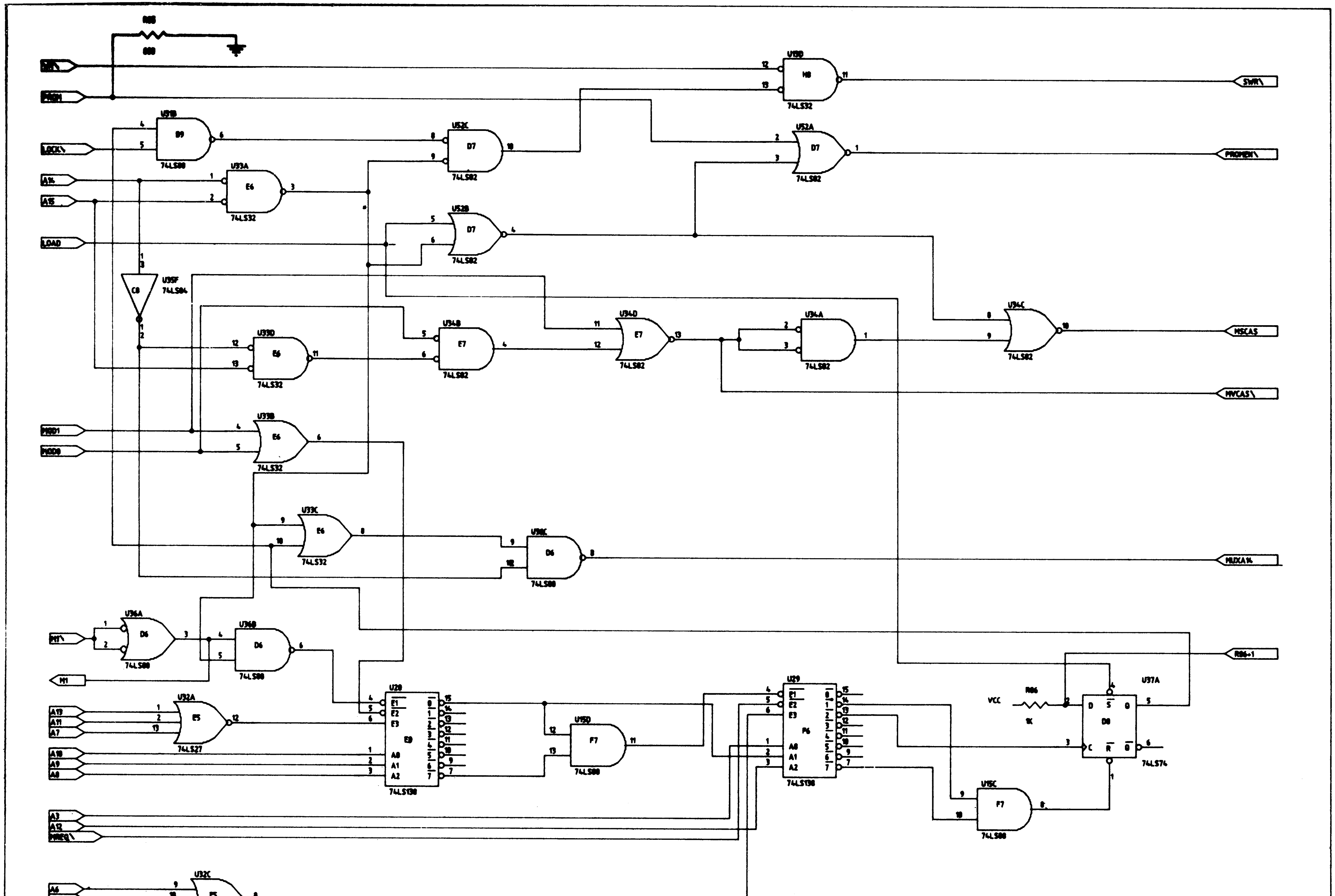
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Size B	Document Number	REV A
Date: May 22, 1989	Sheet 2 of 14



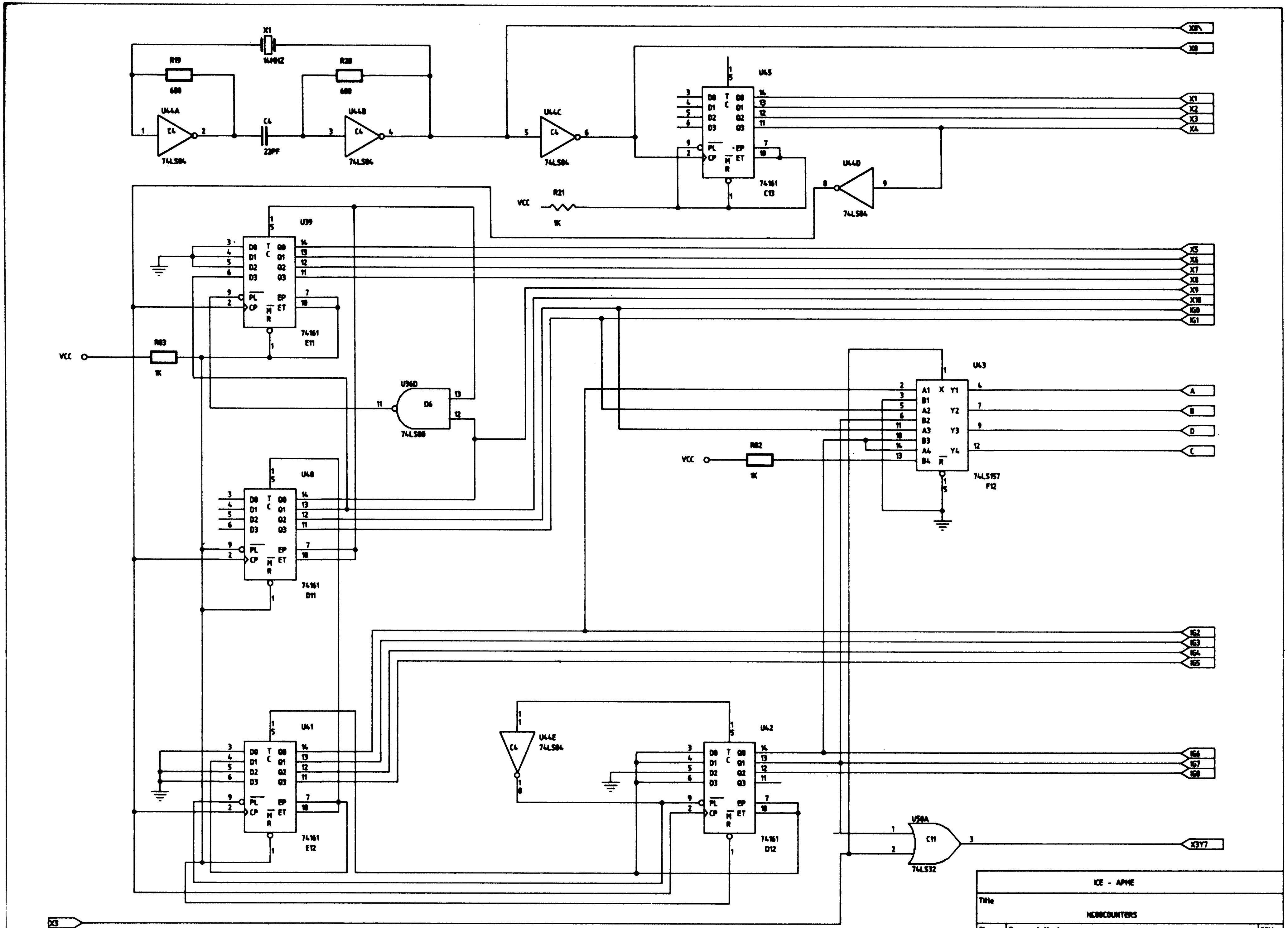
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Title: HC08 64K RAM		
Size: B	Document Number: 069300350	REV: A
Date: May 3, 1989	Sheet 3 of 14	



ICE - APME			
Title	HC80 TIMING		
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ICE - APME		
Title: MC80 MEMORY SELECTION		
Size: B	Document Number: 869900350	REV: A
Date: May 4, 1989	Sheet 5 of 14	



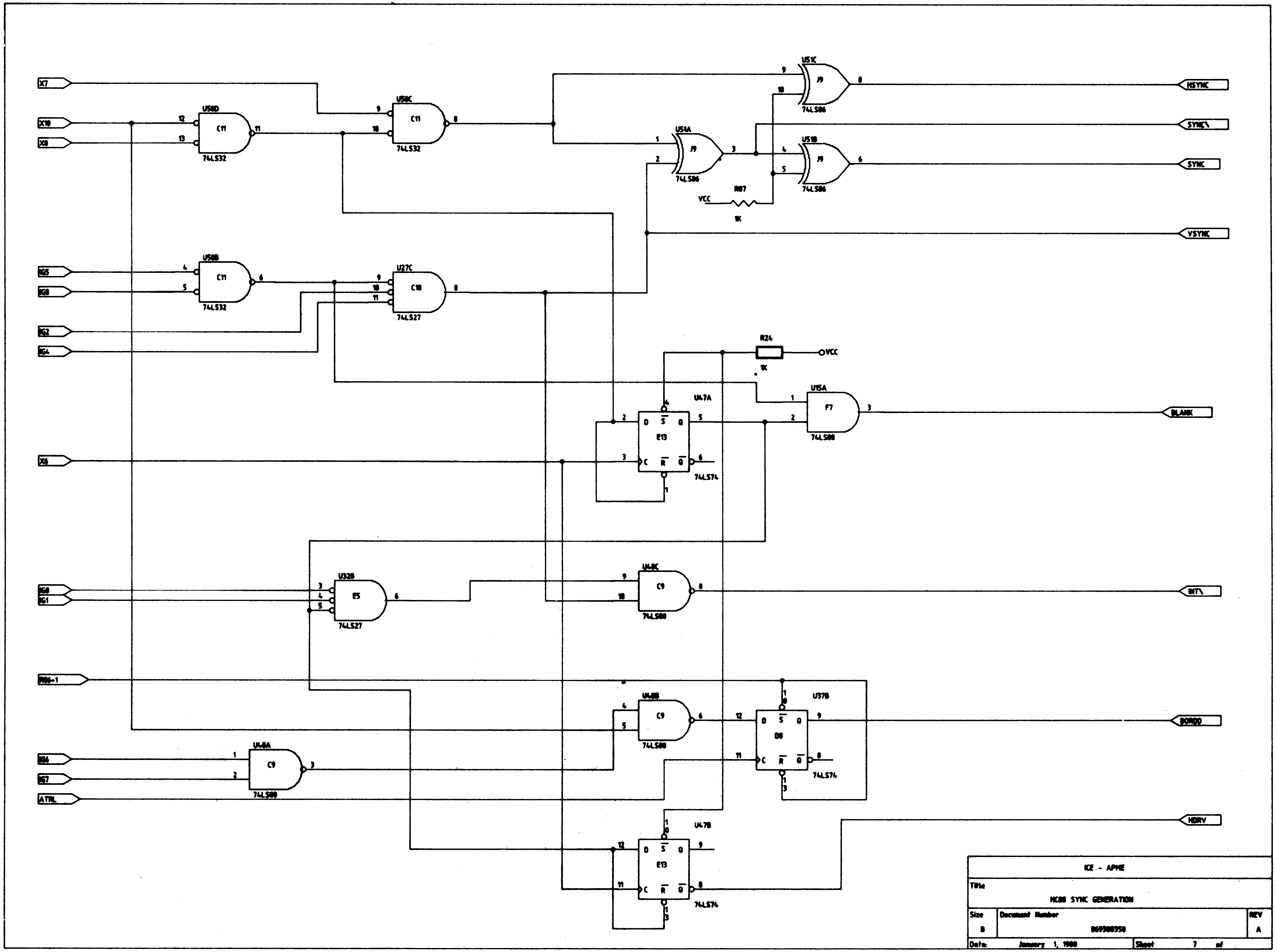
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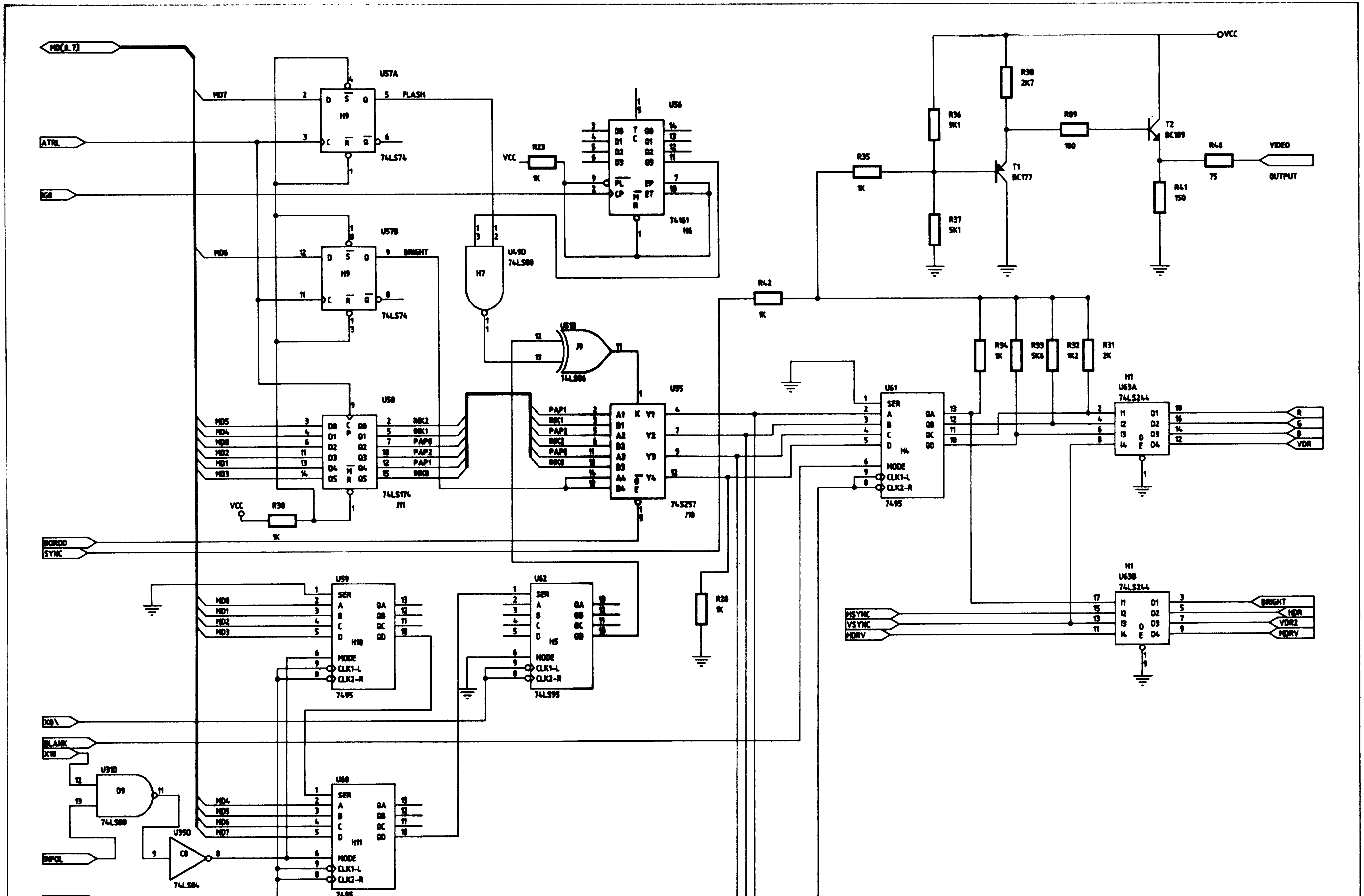
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HC08COUNTERS

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X7
X10
X8
U58D
C11
74LS32
U58C
C11
74LS32
U51C
J9
74LS86
U51A
J9
74LS86
U51B
J9
74LS86
R87
VCC
1K
HSYNC
SYNC\
SYNC
VSYNC
BG5
BG8
BG2
BG4
U58B
C11
74LS32
U27C
C10
74LS27
R24
1K
VCC
U47A
D
S
Q
E13
C
R
Q
74LS74
U15A
F7
74LS08
BLANK
X6
U32B
E5
74LS27
BG0
BG1
U40C
C9
74LS00
INT\
U40B
C9
74LS00
U37B
D8
74LS74
BORDD
BG6
BG7
ATRL
U40A
C9
74LS00
U47B
E13
74LS74
HDRV
ICE.- APME
Title
HC88 SYNC GENERATION
Size
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REV
A
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Sheet
7
of



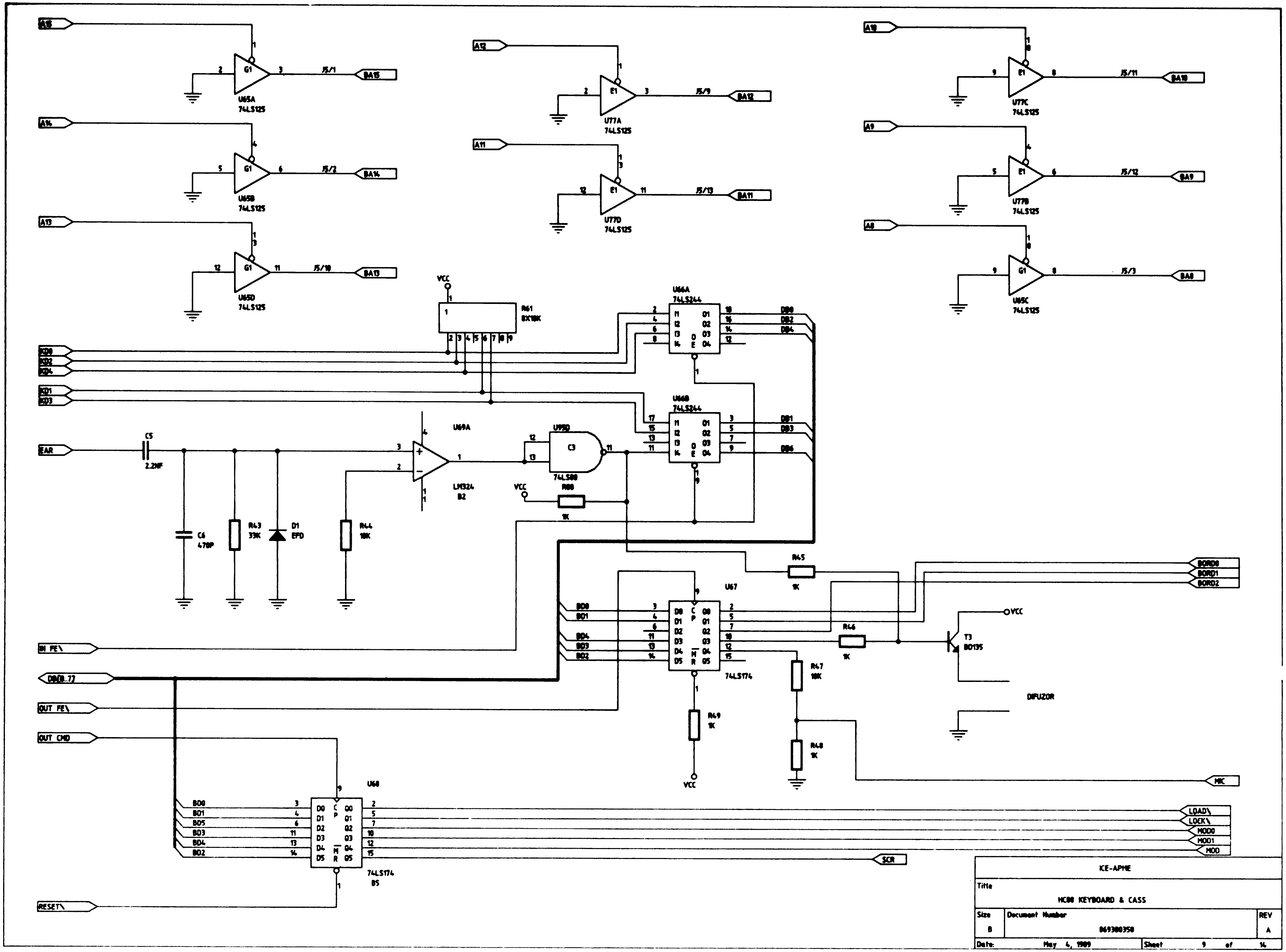
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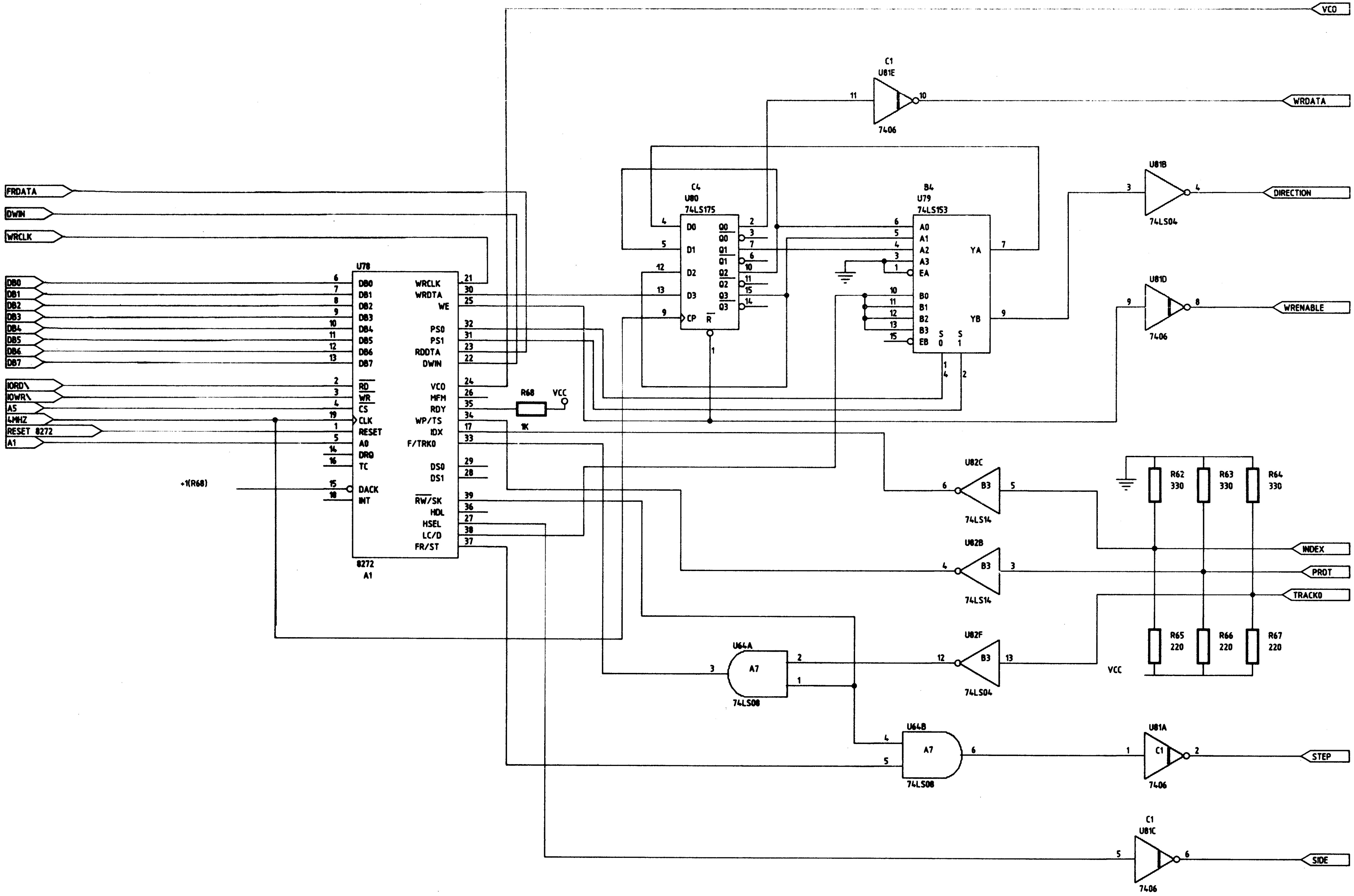
HC88 RGB GENERATION

Size	Document Number	REV
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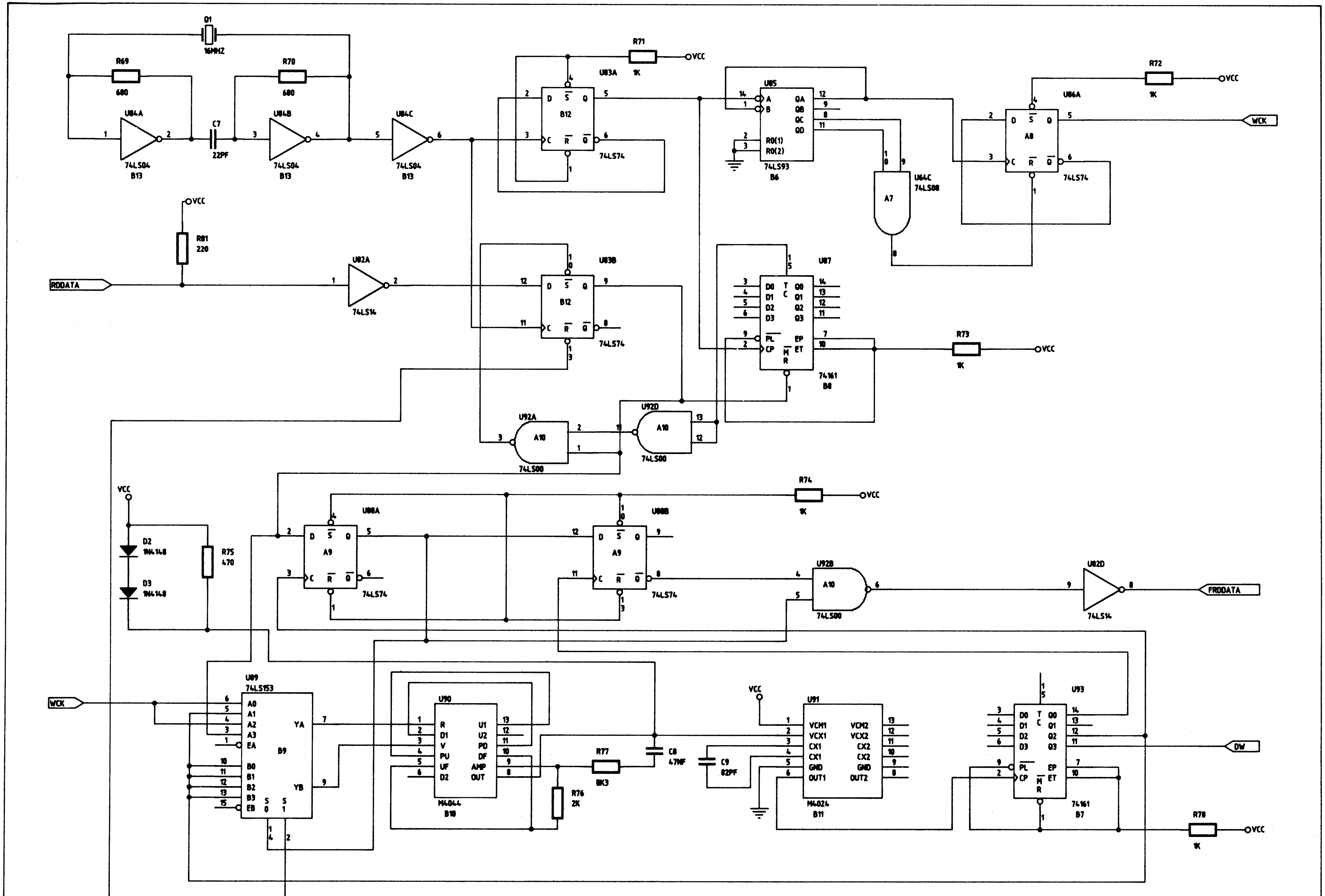
Date: May 4, 1989 — Sheet 8 of 14



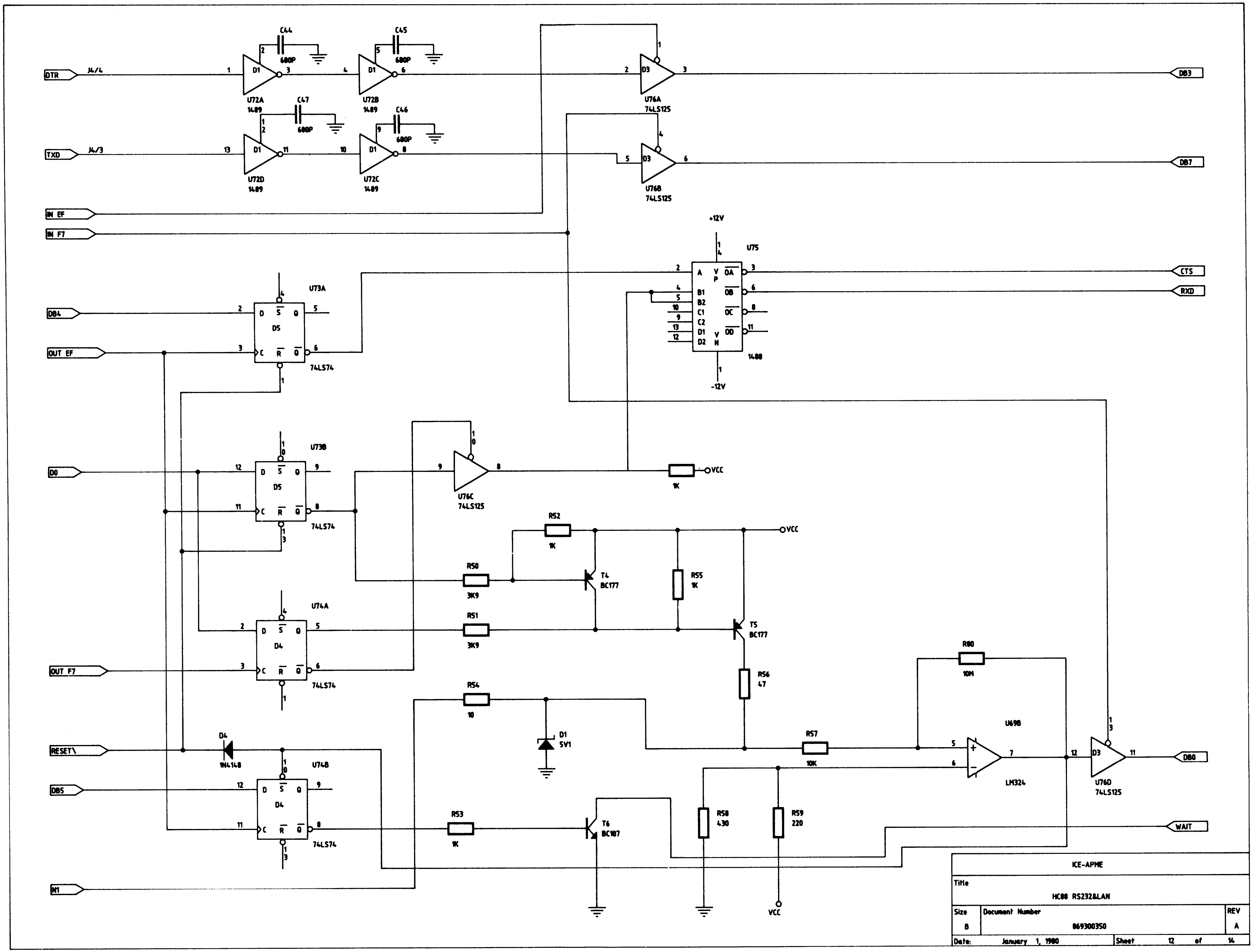
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U65D 74LS125
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U77C 74LS125
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A15
A14
A13
A12
A11
A10
A9
A8
BA15
BA14
BA13
BA12
BA11
BA10
BA9
BA8
J5/1
J5/2
J5/10
J5/9
J5/13
J5/11
J5/12
J5/3
VCC
R61 8X10K
U66A 74LS244
U66B 74LS244
KD0
KD2
KD4
KD1
KD3
DB0
DB2
DB4
DB1
DB3
DB6
EAR
C5 2.2NF
C6 470P
R43 33K
D1 EFD
R44 10K
U69A
LM324 B2
U95D 74LS00
R88 1K
R45 1K
U67 74LS174
BORD0
BORD1
BORD2
R46 1K
T3 BD135
DIFUZOR
R47 10K
R48 1K
R49 1K
MIC
IN FE\
DB[0..7]
OUT FE\
OUT CMD
U68 74LS174 B5
RESET\
LOAD\
LOCK\
MOD0
MOD1
MOD
SCR
ICE-APME
Title
HC80 KEYBOARD & CASS
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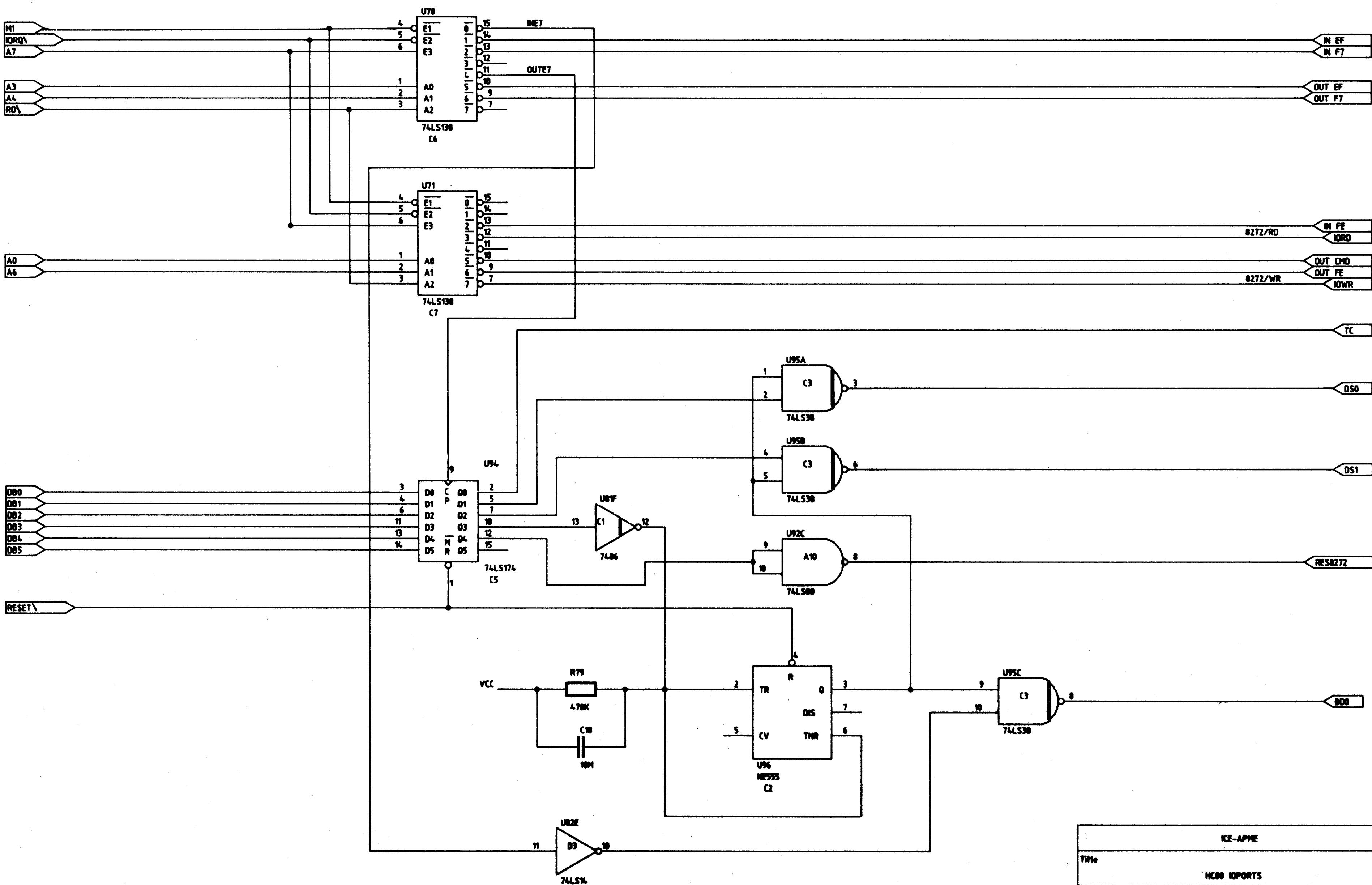
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Size B	Document Number 869300350	REV A
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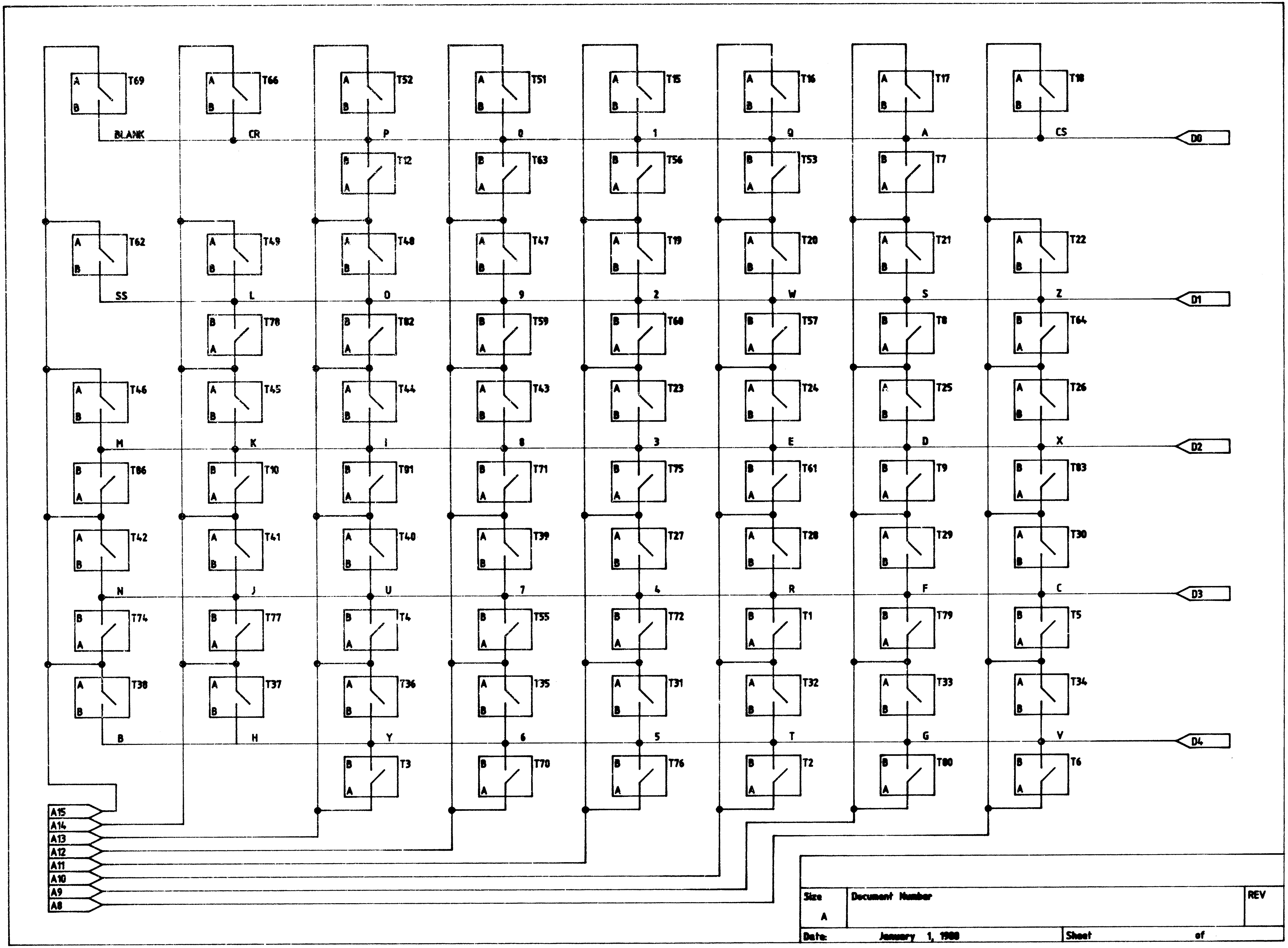
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Size B	Document Number: 069300350	REV A
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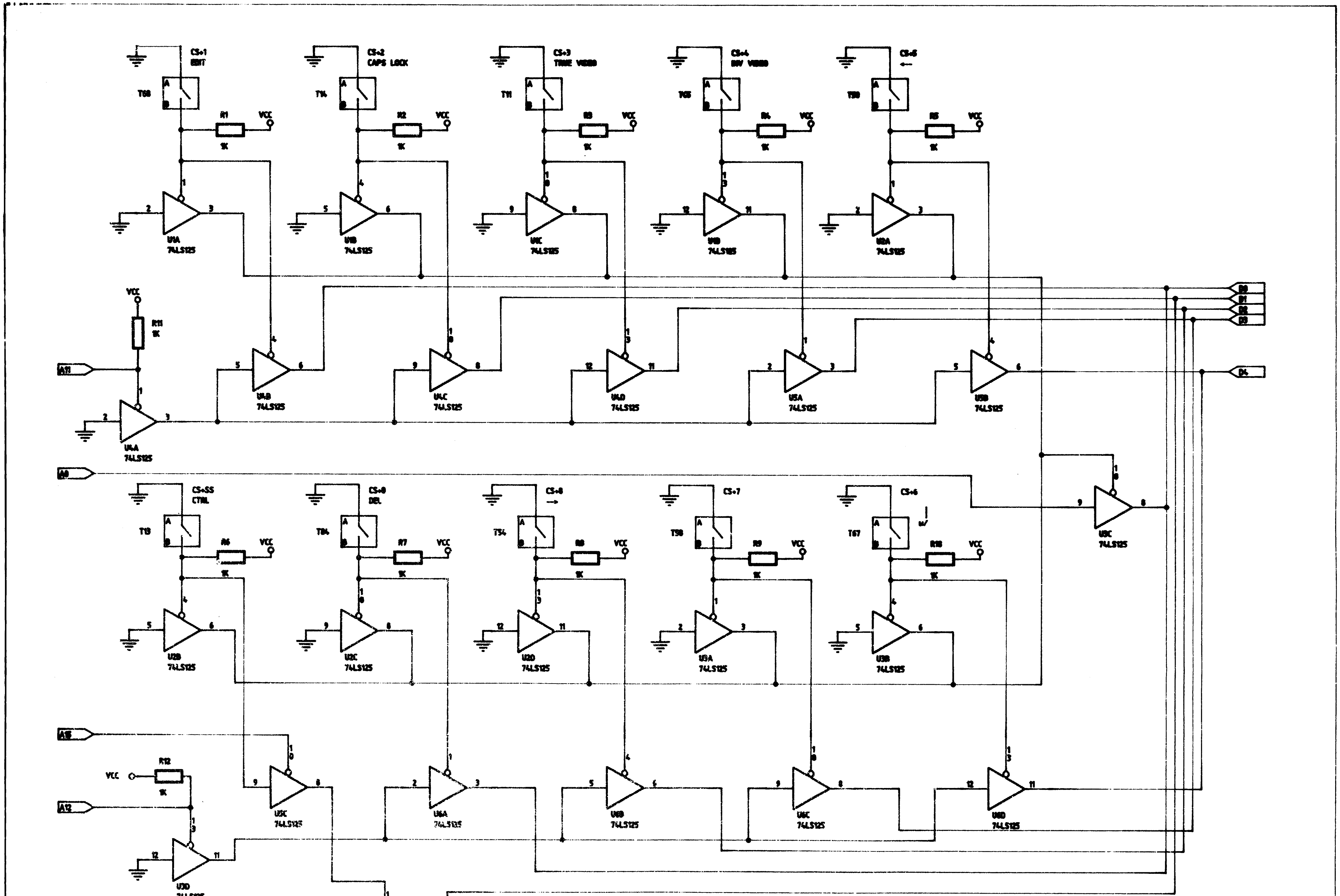


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Title: HC88 RS232&LAN		
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ICE-APME		
Title: HC80 IOPORTS		
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T69
T66
T52
T51
T15
T16
T17
T18
BLANK
CR
P
0
1
Q
A
CS
D0
T12
T63
T56
T53
T7
T62
T49
T48
T47
T19
T20
T21
T22
SS
L
O
9
2
W
S
Z
D1
T78
T82
T59
T60
T57
T8
T64
T46
T45
T44
T43
T23
T24
T25
T26
M
K
I
8
3
E
D
X
D2
T86
T10
T81
T71
T75
T61
T9
T83
T42
T41
T40
T39
T27
T28
T29
T30
N
J
U
7
4
R
F
C
D3
T74
T77
T4
T55
T72
T1
T79
T5
T38
T37
T36
T35
T31
T32
T33
T34
B
H
Y
6
5
T
G
V
D4
T3
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A11
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Size
A
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Sheet
of



I.C.E. FELIX A.P.M.E.		
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Size: B	Document Number: 869.300.322	REV: T
Date: January 1, 1988	Sheet 1 of 1	